Neifeld Docket No: SIEM0015U/US Application/Patent No: 09/673,905 USPTO CONFIRMATION NO: 7207

File/Issue Date: 10/23/2000

Inventor/title: Gradischnig/Signalling system in a signalling point

Examiner/ArtUnit: Nguyen/2141

37 CFR 1.7(e) FILING RECEIPT AND TRANSMITTAL LETTER WITH

AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

- 1. THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY FEES WHICH MAY BE REQUIRED, OR CREDIT ANY OVERPAYMENT, TO DEPOSIT ACCOUNT NUMBER 50-2106.
- 2. THE FOLLOWING ITEMS ARE BEING SUBMITTED: FEES BEING PAID HEREWITH BY EFS CREDIT CARD SUBMISSION: THE FOLLOWING DOCUMENTS ARE SUBMITTED HEREWITH:

37 CFR 1.111 Response to Notice of Abandonment (2 pages) Attachment 1 (21 pages)

3. FOR INTERNAL NEIFELD IP LAW, PC USE ONLY

USPTO CHARGES:

CLIENT BILLING MATTER:

BANK ACCOUNT: 6

G/L ACCOUNT: 5010

FIRM CHARGES:

DESCRIPTION:

AMOUNT:

LAWYER:

INITIALS OF PERSON WHO ENTERED ACCOUNTING DATA: BTM (no data)

DATE: 12/26/2006 SIGNATURE: /RichardNeifeld#35,299/

Printed: December 26, 2006 (2:34pm)

Y:\Clients\Siemens\SIEM0015\SIEM0015U-US\Drafts\FRTL_061226.wpd

NEIFELD Docket No.: SIEM0015U/US

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: Klaus Gradischnig

GROUP ART UNIT: 2141

SERIAL NO.: 09/673,905

EXAMINER: NGUYEN, QUANG N.

FILED: 10/23/00

CONFIRMATION NO. 7207

FOR: Signaling system in a signaling point

NEIFELD Docket No.: SIEM0015U/US

ASSISTANT COMMISSIONER FOR PATENTS

ALEXANDRIA, VA 22313

37 CFR 1.111 RESPONSE TO NOTICE OF ABANDONMENT

NEIFELD Docket No.: SIEM0015U/US

REMARKS

The office mailed a notice of abandonment dated 12/12/2006, stating that the application was abandoned based upon no response to the office action mailed 22 August 2005. In fact, the applicant filed a response to the office action mailed 22 August 2005. On February 13, 2006, the applicant filed a continuation application and a petition for extension of time for 3 months. See page 19 of the 21 page attachment. The attachment is the continuation filing, less the specification. Page 19 is the request for three month extension of time to February 22, 2005. The petition lists the attorney docket number for the continuation, but is clearly directed to this application.

Accordingly, the USPTO should sent a corrected notice of abandonment in which Box 1 is not checked, and with a corrected explanation in box 7, that the application went abandoned February 22, 2006, after the extended period for response expired.

Truly,

12/26/2006

/#Richard Neifeld#35,299/

DATE

Richard Neifeld

Reg. No: 35,299

Attorney of Record

RAN

Date/time code: December 26, 2006 (1:58pm)

Y:\Clients\Siemens\SIEM0015\SIEM0015U-US\Drafts\ResponseToNoticeOfAbandonment_SIE

M0015U-US_061226.wpd

NEIFELD IP LAW, P.C. 4813-B Eisenhower Avenue Alexandria, Virginia 22304

FEB 1 3 2006

RLB: Send copy of application and advanced serial card via postal mail: 2/24/06

AGC: Assignment Filing 3/13/06

RAN: Filing Receipt 4/13/06

ALB: Verify Receipt by USPTO 4/13/06 RAN: Information Disclosure Statement 5/13/06 ▶ RGC: Information Disclosure Statement 5/13/06

RGC: File preliminary amendment with new claims according

37 CFR 1.7(c) FILING to email instructions CLEARED RGC: Formal Drawings CLEARED

Neifeld Docket No.: SIEM0015U-USC1

Client Ref: 1998P01556WOUS

US/PCT Application No.: New Application US/PCT Application Filing Date: Herewith

Priority Data: Continuation of Application No. 09/673,905, filed 10/23/2000

USPTO Confirmation No.: Unknown

Inventor: Gradischnig

Title: Signalling System in a Signalling Point

THE FOLLOWING HAS BEEN RECEIVED IN THE U.S. PATENT OFFICE ON THE DATE STAMPED HEREON:

Check for \$1020.00 Check for \$1360.00 Check for \$40.00 Advanced Serial No. Card Utility Patent Application Transmittal (1 Page) Fee Transmittal (1 Page, In Duplicate) Specification (8 Pages) Figures (6 Pages) 37 CFR 1.331 Recordation Form Cover Sheet (1 Page, In Duplicate) Copy of Notice of Recordation of Assignment from Parent Application No. 09/673,905, filed 10/23/2000 (5 Pages) Copy of German Language - Declaration and Power of Attorney for Patent Application (3 Pages) 37 CFR 1.33 Request to Use Customer Number 31518 For Correspondence and Attorneys of Record (1 Page) Petition for Extension of Time Under 37 CFR 1.136(a) (1 Page, I Duplicate) 37 CFR 1.115 Preliminary Amendment (1 page)

PcLaw Matter

Lawver

Ámount Explanation Date Entered

Initials

Fees:

SIEM0015

RGC

\$600.00 SIEM0015U-USC1 firm charge

continuation application.

2/10/06

Fees:

for docketing and filing a

RLB

Explanation

Date Entered

Initials

Disbursements: PcLaw Matter G/L Account Amount

SIEM0015U-USC1 gov. fees for

2/10/06

RLB

SIEM0015

1360.00

filing a continuation application, an Extension of Time and an

Printed: April 21, 2005 (5:19pm)

Assignment, RLB

Y:\Info\FirmForms\Forms Patent\US\Templates-DoNotUse\FR-US.wpd

Application_SIEM0015U-USC1_060213.pdf

Application_SIEHOOISU-USC_1_060213

004231

: Feb 10/2006 HE #: 04231

MOUNT: \$1,020.00 CCOUNT: GENERAL - 1

AID TO: Commissioner of Patents

IEM0015U-USC1 gov. fees filing an EOT

LIENT: SIEM - Siemens, AG

ATTER: SIEM0015

PAY TO THE ORDER OF

04231

NEIFELD IP LAW. PC 4813-B EISENHOWER AVE. ALEXANDRIA, VA 22304

BURKE & HERBERT BANK & TRUST CO. Alexandria, VA

CHECK NO. 68-106/560

004231

One Thousand Twenty *******

Feb 10/2006

DATE

AMOUNT

\$1,020.00

Commissioner of Patents

SIEM0015U-USC1 gov. fees filing an EOT

NEIFELD IP LAW, PC

: Feb 10/2006

E # : 04231

MOUNT: \$1,020.00

COUNT: GENERAL - 1

\ID TO: Commissioner of Patents (EM0015U-USC1 gov. fees filing an EOT

JIENT: SIEM - Siemens, AG

ATTER: SIEM0015

WYER: Richard A. Neifeld itent Department, ZFE DR PA

. 0. 22 16 34

mich rmany

-80506

TRUST BALANCE :

** GENERAL BALANCES **

** TRUST BALANCES **

UNBILLED DISBS:

A/R BALANCE :

0.00

004231

1360.00

1707.80

lemens Ref: 1998P01556US. Neifeld Ref: SIEM0015U/US. Schiff (prior attorn

USE WITH COMPANION ENVELOPE #44-530

REORDER FORM # 990-LB1 (1 PART)

HEIFELD IF LAW, FU

: Feb 10/2006 DATE 004230

:HE # : 04230 MOUNT: \$1,360.00 \CCOUNT: GENERAL - 1

PAID TO: Commissioner of Patents

SIEM0015U-USC1 gov. fees for filing a continuation application

'LIENT: SIEM - Siemens, AG

IATTER: SIEM0015

04230

NEIFELD IP LAW. PC 4813-B EISENHOWER AVE. ALEXANDRIA, VA 22304

BURKE & HERBERT BANK & TRUST CO. Alexandria, VA

CHECK NO. 68-106/560

004230

One Thousand Three Hundred Sixty ****

PAY TO THE ORDER OF

DATE

AMOUNT

Feb 10/2006

\$1,360.00

Commissioner of Patents

SIEM0015U-USC1 gov. fees for filing a continuation

ATE : Feb 10/2006

HE #: 04230

NEIFELD IP LAW, PC

MOUNT: \$1,360.00 CCOUNT: GENERAL - 1

AID TO: Commissioner of Patents

IEM0015U-USC1 gov. fees for filing a continuation application

LIENT: SIEM - Siemens, AG

ATTER: SIEM0015

AWYER: Richard A. Neifeld atent Department, ZFE DR PA

. O. 22 16 34

unich ermany

-80506

TRUST BALANCE :

** GENERAL BALANCES **

** TRUST BALANCES **

UNBILLED DISBS:

A/R BALANCE :

0.00

004230

0.00 1707.80

1emens Ref: 1998P01556US. • Neifeld Ref: SIEM0015U/US. • Schiff (prior attorn

REORDER FORM # 390-LB1 (1 PART)

USE WITH COMPANION ENVELOPE #44-530

004233

: Feb 13/2006

CHE #: 04233 AMOUNT: \$40.00

ACCOUNT: GENERAL - 1

PAID TO: Commissioner of Patents

SIEM0015U-USC1 gov. fees Recordation of Assignment

CLIENT: SIEM - Siemens, AG

MATTER: SIEM0015

04233

NEIFELD IP LAW, PC 4813-B EISENHOWER AVE. ALEXANDRIA, VA 22304

BURKE & HERBERT BANK & TRUST CO. Alexandria, VA

CHECK NO. 68-106/560

004233

Forty *****

PAY TO THE ORDER OF

DATE

AMOUNT

Feb 13/2006

\$40.00

Commissioner of Patents

Robert T. Civilett SIEM0015U-USC1 gov. fees Recordation of Assignment

NEIFELD IP LAW, PC

DATE : Feb 13/2006

CHE # : 04233 AMOUNT: \$40.00

** GENERAL BALANCES ** UNBILLED DISBS:

004233 2380.00

A/R BALANCE :

1707.80

ACCOUNT: GENERAL - 1

PAID TO: Commissioner of Patents

SIEM0015U-USC1 gov. fees Recordation of Assignment

CLIENT: SIEM - Siemens, AG

MATTER: SIEM0015

** TRUST BALANCES **

LAWYER: Richard A. Neifeld Patent Department, ZFE DR PA

P. O. 22 16 34

Munich Germany

D-80506

TRUST BALANCE : Siemens Ref: 1998P01556US. Neifeld Ref: SIEM0015U/US. Schiff (prior attorn 0.00

USE WITH COMPANION ENVELOPE #44-530

REORDER FORM # 990-LB1 (1 PART)

The U.S. Patent Office stamp affixed hereinbelow indicates the filing date and Serial Number for the following application:

NEIFELD REF.: SIEMODISU-USC 1

INVENTOR: Gradischnig TITLE: Signalling Systemina Signalling Point

A. ..

This is NOT a filing receipt! Please retain for ADVANCE NOTICE SERIAL NUMBER.

Neifeld Ref: SIEM0015U-USC1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) Gradischnig

APPLICATION NO:

New Application

FILING DATE:

Herewith

FOR: Signalling system in a signalling point

FEE TRANSMITTAL

ASSISTANT COMMISSIONER FOR PATENTS ALEXANDRIA, VA 22313

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS	16 - 20 =	0	× \$50 =	\$0.00
INDEPENDENT CLAIMS	2 - 3 =	0	× \$200 =	\$0.00
X MULTIPLE DEPENDEN	IT CLAIMS (If ap	plicable)	+ \$360 =	\$360.00
LATE FILING OF DECI	ARATION		+ \$130 =	
X BASIC FEE (Filed on or	after 12/8/04)		+ \$300 =	\$300.00
BASIC FEE (Filed before	12/8/04)		+ \$790 =	
X UTILITY SEARCH FEE			+ \$500 =	\$500.00
X UTILITY EXAMINATION	ON FEE		+ \$200 =	\$200.00
•	TOTAL OF AB	OVE CALC	ULATIONS	
REDUCTION BY 50% I	OR FILING BY S	MALL ENTI	TY	
FILING IN NON-ENGL	ISH LANGUAGE		+ \$130 =	
X RECORDATION OF AS	SIGNMENT		+ \$40 =	\$40.00
			TOTAL	\$1400.00

V	A duplicate	cany of thic	chapt is at	closed
ΛI	A dublicate	CODY OF INTS	sneet is ei	icioseu.

Two checks in the amount of \$1360.00 and \$40.00 are enclosed to cover the filing fees are enclosed.

The Commissioner is hereby authorized to charge the above listed fees to Deposit Account No. 50-2106.

The Commissioner is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 50-2106.

A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

02//3/2006 Date

Robert G. Crockett Registration No. 42,448 Attorney of Record

Printed: May 25, 2005 (2:03pm)

Y:\Info\FirmForms\Forms_Patent\US\Templates-DoNotUse\37 CFR1_016_FeeTransmittal_BlankSignature.wpd

Neifeld Ref: SIEM0015U-USC1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) Gradischnig

APPLICATION NO:

New Application

FILING DATE:

Herewith

FOR: Signalling system in a signalling point

FEE TRANSMITTAL

ASSISTANT COMMISSIONER FOR PATENTS ALEXANDRIA, VA 22313

FOR	NUMBER FILED	NUMBER Extra	RATE	CALCULATIONS
TOTAL CLAIMS	16 - 20 =	0	× \$50 =	\$0.00
INDEPENDENT CLAIMS	2 - 3 =	0	× \$200 =	\$0.00
X MULTIPLE DEPENDEN	IT CLAIMS (If ap	plicable)	+ \$360 =	\$360.00
LATE FILING OF DECI	ARATION		+ \$130 =	
X BASIC FEE (Filed on or	after 12/8/04)		+ \$300 =	\$300.00
BASIC FEE (Filed before	12/8/04)		+ \$790 =	
X UTILITY SEARCH FEE			+ \$500 =	\$500.00
X UTILITY EXAMINATION	ON FEE		+ \$200 =	\$200.00
	TOTAL OF AB	OVE CALC	ULATIONS	
REDUCTION BY 50% F	OR FILING BY S	MALL ENTI	TY	
FILING IN NON-ENGL	ISH LANGUAGE		+ \$130 =	
X RECORDATION OF AS	SIGNMENT		+ \$40 =	\$40.00
			TOTAL	\$1400.00

M	A duplicate copy of this sheet is enclosed.
X	Two checks in the amount of \$1360.00 and \$40.00 are enclosed to cover the filing fees are enclosed.
	The Commissioner is hereby authorized to charge the above listed fees to Deposit Account No. 50-2106.
$\overline{\mathbf{X}}$	The Commissioner is hereby authorized to charge any additional fees which may be required for the papers being fil

The Commissioner is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. <u>50-2106</u>. A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

Date/

Robert G. Crockett Registration No. 42,448 Attorney of Record

Printed: May 25, 2005 (2:03pm)

Y:\Info\FirmForms\Forms_Patent\US\Templates-DoNotUse\37 CFR1_016_FeeTransmittal_BlankSignature.wpd

UTILITY PATENT APPLICATION	Neifeld	d Ref.:		SIEM001	ISU-USC1	
TRANSMITTAL nty for new nonprovisional applications under 37 CFR 1.53(b))	First i	nventor or App	icatio	n Identifier	Gradischnig	
	Title	Signalling	syst	em in a sig	gnalling point	
					P.O. Box 145	mmissioner for Patents 0 A 22313-1450
X Fee Transmittal Form (e.g. PTO/SB/17 (Submit an original and a duplicate for fee process	r) ssing)			Copy of Notice 10/23/2000 (5 i	Recordation Form Cover Sheet (I of Recordation of Assignment for Pages) - Recl/Frame No. 011282/ S. \$3.73(b) Statement of an assignee)	om Parent Application No. 09/673,905, filed 0306
X Specification Total Page	ges 8				Attorney Franslation Documer	nt (if applicable)
XFormal Drawing(s) Total She	ets 6			Statemer	on Disclosure nt (IDS)/PTO-1449 ary Amendment	Copies of IDS Citations
X Oath or Declaration Total Page	ges 3		X		Ivance Serial No. Po	stcard
a. Newly executed (original or copy))			Certified (# foreign p	Copy of Priority Doc viority is claimed)	ument(s)
b. Copy from a prior application (37 (for continuation/divisional with box 15 co i. DELETION OF INVENTOR Signed statement attached deletin in the prior application, see 37 C.F. 1.33(b).	(S) d invent	oris) named	X	Pe	Correspondence and At	te Customer Number 31518 For torneys of Record (1 Page) ime Under 37 CFR 1.136(a) (1 Page Amendment (1 page)

Name:	Richard A. Neifeld	Registrati	on No.:	35,299
Signature:	Robert J. Circlett	<u>.</u>	Date:	02/13/2006
Name:	Robert G. Crockett	Registrati	on No.:	42,448

37 CFR 1.331 RECORDATION FORM COVER SHEET **PATENTS ONLY** To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Klaus GRADISCHNIG Name: Siemens Aktiengesellschaft Internal Address: Additional name(s) of conveying party(ies) attached? Yes No Street Address: Wittelsbacherolatz 2 3. Nature of conveyance: D-80333 Munchen. GERMANY Assignment ☐ Merger City:_ Zip: State:_ ☐ Security Agreement ☐ Change of Name Additional name(s) & address(es) attached? Yes No Other Execution Date: 5/15/1998 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 5/15/98 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? Yes No Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41).... \$ 40.00 Name: Neifeld IP Law, PC M Enclosed Internal Address: 4813-B Eisenhower Avenue Alexandria, Virginia 22304 Authorized to be charge to deposit account Street Address: Same as Above 8. Deposit account number: 50-2106 City: Zip: State: (Attach a duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Robert G. Crockett Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments, Washington, D.C. 20231

37 CFR 1.331 RECORDATION FORM COVER SHEET **PATENTS ONLY** To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Klaus GRADISCHNIG Name: Siemens Aktiengesellschaft Internal Address:_ Additional name(s) of conveying party(ies) attached? Yes No Street Address: Wittelsbacherplatz 2 3. Nature of conveyance: D-80333 Munchen, GERMANY ☐ Merger Assignment . City:_ State:_ Zip: Additional name(s) & address(es) attached? Yes X No Other_ Execution Date: <u>5/15/1998</u> 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 5/15/98 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? ☐ Yes XNo 5. Name and address of party to whom correspondence Total number of applications and patents involved: concerning document should be mailed: 7. Total fee (37 CFR 3.41).... \$ 40.00 Name: Neifeld IP Law. PC M Enclosed Internal Address: 4813-B Eisenhower Avenue Alexandria, Virginia 22304 Authorized to be charge to deposit account Street Address: Same as Above 8. Deposit account number: 50-2106 City: State: Zip: (Attach a duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing copy is a true copy of the original document. Robert G. Crockett Name of Person Signing Signature Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignment, Washington, D.C. 20231



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

FEBRUARY 02, 2001

PTAS

SCHIFF HARDIN & WAITE MELVIN A. ROBINSON PATENT DEPARTMENT 6600 SEARS TOWER CHICAGO, IL 60606



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/23/2000

REEL/FRAME: 011282/0306

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR''S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GRADISCHNIG, KLAUS

DOC DATE: 05/15/1998

ASSIGNEE:

SIEMENS AKTIENGESELLSCHAFT WITTELSBACHERPLATZ 2 MUENCHEN, FED REP GERMANY D-80333

SERIAL NUMBER: 09673905

PATENT NUMBER:

FILING DATE: 10/23/2000

ISSUE DATE:

JOANN STEWART, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS

Washington, D.C. 20231

FEBRUARY 02, 2001

PTAS

101535340A

SCHIFF HARDIN & WAITE MELVIN A. ROBINSON PATENT DEPARTMENT 6600 SEARS TOWER CHICAGO, IL 60606

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/23/2000

REEL/FRAME: 011282/0306

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR''S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GRADISCHNIG, KLAUS

DOC DATE: 05/15/1998

ASSIGNEE:

SIEMENS AKTIENGESELLSCHAFT WITTELSBACHERPLATZ 2 MUENCHEN, FED REP GERMANY D-80333

SERIAL NUMBER: 09673905

PATENT NUMBER:

FILING DATE: 10/23/2000

ISSUE DATE:

JOANN STEWART, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

-4/D 531.460

□ Merger

09/673905 422 Rec'd PCT/PTO 2 3 OCT 2000

12-04-2000

EET U.S. DEPARTMENT OF

19.93

1/31/92 Office

FORM PTO-1595

☐ Yes

COMMERCE

Name of conveying party(ies):

No

Klaus GRADISCHNIG

3. Nature of conveyance:

Security Agreement

Execution Date 5/15/1998

P00,1834 PCT/EP98/02775

Application (number(s) or patent number(s):

Patent Application No.(s)

5. Name and address of party to whom correspondence concerning document should be

Schiff Hardin & Waite

Patent Department 6600 Sears Tower

Chicago, IL 60606

B Assignment

Other.

mailed:

101535340

To the Honorable Commissioner of Patents and Trademarks: Please Recuru use attached original documents or copy thereof. Name and address of receiving party(ies): Siemens Aktiengesellschaft Internal Address: Additional name(s) of conveying party(ies) attached? Wittelsbacherplatz 2 Street Address:_ D-80333 Muenchen, GERMANY Change of Name Zip: State:_ City: Additional Name(s) & Address(es) attached □ Yes

No If this document is being filed together with a new application, the execution date of the application is: B: Patent No.(s) 09673905 Additional numbers attached?

□ Yes

No Total number of applications and patents involved 7. Total Fee (37 CFR 3.41. **E**ndosed Authorized to be charged to deposit account any Additional fees 8. Deposit Account Number: 501519 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Melyin A. Robinson Name of Person Signing Signature

October 23, 2000

Date

Total number of pages comprising cover sheet: _3

Mail decorports to be precorded and required cover sheet information to:

Commissioner of Patents and Trademarks

40.00 D

Box Assignments Washington, D.C. 20231

EXPRESS MAIL LABEL NO. EJ077703907US

1723 2000 L

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

GRADISCHNIG, Klaus
residing at:
Max-Klinger-Straße 28
D-82131 Gauting
Bundesrepublik Deutschland

hereby sell, assign, and transfer to

Siemens Aktiengesellschaft

Munich, a German corporation organized and existing under the laws of the Federal Republic of Germany, having its principal place of business in Munich, Federal Republic of Germany herein the "Assignee", its successors, assigns and legal representatives the entire right, title and interest in and for the United States, in all and to any improvements in the

(Title:) Signalisierungs-System in einem Signalisierungspunkt

disclosed in the PCT international application for Letters Patent designating the United States, said application being identified in our records as

Siemens File No.

GR 98 P 1556 P US

and filed as PCT application

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements;

hereby agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name and that when requested without charge to but at the expense of said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional continuing substitute, renewal, reissue and all other patent applications on any

and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors. assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and

hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 15.5. 1718

witnesses: M man Time the Time hite Time (type name)

Witnesses: 60 kard Kulya fallate Garland Ruh
(type name)

Declarat. and Power of Attorney Fur Patent Application Erklärung Für Patentanmeldungen Mit Vollmacht German Language Declaration

dass mein Wohnsitz, meine Postanschrift, und meine Staatsangehörigkeit den im Nachstehenden nach meinem Namen aufgeführten Angaben entsprechen. My residence, post office address and citize as stated below next to my name	nventor (if
	i, first and
dass ich, nach bestem Wissen der ursprüngliche, erste und alleinige Erfinder (falls nachstehend nur ein Name angegeben ist) oder ein ursprünglicher, erster und Miterfinder (falls nachstehend mehrere Namen aufgeführt sind) des Gegenstandes bin, für den dieser Antrag gestellt wird und für den ein Patent beantragt wird für die Erfindung mit dem Titel:	
Signalisierungs-System in einem Signalisierungspunkt deren Beschreibung	
(zutreffendes ankreuzen) X hier beigefügt ist. the specification of which am als (check one)	
DOT! A sectional A later	
PCT Anneldungsnummer	
eingereicht wurde und am Li was filed on	as
abgeändert wurde (falls tatsächlich abgeändert). PCT international application PCT Application No. and was amended on	
Ich bestätige hiermit, dass ich den Inhalt der obigen Patentanmeldung einschliesslich der Ansprüche durchgesehen und verstanden habe, die eventuell durch einen Zusatzantrag wie oben erwähnt abgeändert wurde. I hereby state that I have reviewed and under contents of the above identified speincluding the claims as amended by any an	ecification,
referred to above.	nenomen.
Ich erkenne meine Pflicht zur Offenbarung irgendwel- cher Informationen, die für die Prüfung der vorliegen- den Anmeldung in Einklang mit Absatz 37, Bundes- gesetzbuch, Paragraph 1.56(a) von Wichtigkeit sind, I acknowledge the duty to disclose informat	tion which
is material to the examination of this appliaccordance with Title 37. Code of Regulations, §1.56(a).	lication in
Ich beanspruche hiermit ausländische Prioritätsvor- teile gemäss Abschnitt 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 119 aller unten ange-	
gebenen Auslandsanmeldungen für ein Patent oder eine Erfindersurkunde, und habe auch alle Auslands- anmeldungen für ein Patent oder eine Erfindersurkunde nachstehend gekennzeichnet, die ein Anmeldedatum der Anmeldung liegt, für die Priorität beansprucht wird. I hereby claim foreign priority benefits unde United States Code, §119 of any foreign applient or inventor's certificate listed beautified below any foreign applient or inventor's certificate having a foreign priority benefits unde United States Code, §119 of any foreign applient or inventor's certificate having a foreign priority benefits unde United States Code, §119 of any foreign applient or inventor's certificate having a foreign priority benefits unde United States Code, §119 of any foreign applient or inventor's certificate having a foreign applient or inventor's certificate	blication(s) below and lication for filing date
Form PTO-FB-240 (8-83) Patent and Trademark Office-U.S. DEPARTMENT OF COMMER	ICE

Sacrostation Sacr	States application(s) ubject matter of each not disclosed in the the manner provides United States Code
Country Coun	No Nein No Nein No Nein No Nein States application(s ibject matter of each not disclosed in the the manner provide United States Code
Jammer) (Country) (Day Month Year Filed) Jammer) (Country) (Day Month Year Filed) Jammer) (Land) (Tag Monat Jahr eingereicht) Jammer) (Land) (Tag Monat Jahr eingereicht) Jammer) (Country) (Day Month Year Filed) Ves Jammer) (Country) (Day Month Year Filed) Ves Jammer) (Land) (Tag Monat Jahr eingereicht) Jammer) (Land) (Tag Monat Jahr eingereicht) Jammer) (Land) (Day Month Year Filed) Ves Jammer) (Land) (Tag Monat Jahr eingereicht) Jammer) (Land) (Day Month Year Filed) Ves Jammer) (Land) (Tag Monat Jahr eingereicht) Jammer) (Land) (Day Month Year Filed) Yes Jammer) (Land) (Day Month Year Filed) Jammer (Land) (Day Month Year Filed) Jammer (Land) (Day Month Year Filed) Jammer (Land) (Day Month Year Filed) Jamer (Land) (Da	Nein No Nein No Nein No Nein States application(s ibject matter of each not disclosed in the manner provide United States Code
Number) (Country) (Tag Monat Jahr eingereicht) Number) (Country) (Day Month Year Filed) Yes Ch beanspruche hiermit gemäss Absatz 35 der Zivil- Irozeessordnung der Vereinigten Staaten, Paragraph 120, den Vorzug aller unten aufgeführten Anmel- Jungen und falls der Gegenstand aus jedern Anspruch dieser Anmeldung laut dem ersten Anspruch dieser Anmeldung laut dem ersten Paragraphen des Absatzes 35 der ZivilprozeBordnung Jer Vereinigten Staaten, Paragraph 122 offenbart ist, Jerkenne ich gemäss Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) meine Pflicht zur Offenbarung von Informationen an, die zwischen dem Anmeldedatum Jer früheren Anmeldung und dem nationalen oder PCT internationalen Anmeldedatum dieser Anmeldung bekannt geworden sind. [Appication Serial No.] (Anmeldesariennummer) [Appication Serial No.] (Anmeld	Nein No Noin Title 35. United States application(s object matter of each not disclosed in the manner provide United States Code
Aumber) (Country) (Day Month Year Fried) Aumber) (Country) (Day Month Year Filed) Yes Aumber) (Country) (Day Month Year Filed) Yes Yes Tag Monat Jahr eingereicht) I hereby claim the benefit under states of the progressordnung der Vereinigten Staaten, Paragraph 20, den Vorzug aller unten aufgeführten Anmelungen und falls der Gegenstand aus jedern unspruch dieser Anmeldung laut dem ersten umerkanischen Patentammeldung laut dem ersten by teningten Staaten, Paragraph 122 offenbart ist, erkenne ich gemäss Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) meins Pflicht zur Offenbarung von Informationen an, die zwischen dem Anmeldedatum dieser Anmeldung und dem nationalen oder früheren Anmeldung und dem nationalen oder PCT internationalen Anmeldedatum dieser Anmeldung bekannt geworden sind. (Appication Serial No.) (Piling Data) (Anmeldesariennummer) (Appication Serial No.) (Piling Data) (Anmeldesariennummer) (Appication Serial No.) (Anmeldesariennummer) (Anmeldesariennummer) (Appication Serial No.) (Anmeldesariennummer) (Anmeldesariennummer) (Appication Serial No.) (Anmeldesariennummer)	Nein No Noin Title 35. United States application(s object matter of each not disclosed in the manner provide United States Code
Number) (Country) (Tag Monat Jahr eingereicht) It hereby claim the benefit under States Code. §120 of any United States Code.	No Nein Per Title 35. United States application(s object matter of each not disclosed in the manner provide United States Code
Aumber) (Country) (Tag Monat Jahr eingereicht) It hereby claim the benefit under States Code. §120 of any United States Code.	Nein er Title 35. United States application(s ibject matter of each not disclosed in the the manner provide United States Code
increasordnung der Vereinigten Staaten, Paragraph inzessordnung der Vereinigten Staaten, Paragraph inzessordnung der Vereinigten aus jedem Anspruch dieser Anmeldung nicht in einer früheren Amerikanischen Patentanmeldung laut dem ersten Daragraphen des Absatzes 35 der Zivilprozeßordnung Paragraphen des Absatzes 35 der Zivilprozeßordnung Paragraphen Staaten, Paragraph 122 offenbart ist, erkenne ich gemäss Absatz 37, Bundesgesetzbuch, erkenne ich gemäss Absatz 37, Bundesgesetzbuch, erkenne innemen Anmeldung und dem nationalen oder früheren Anmeldung und dem nationalen oder PCT internationalen Anmeldedatum dieser Anmeldung bekannt geworden sind. (Application Serial No.) (Anmeldeseriennummer) (Anmeldeseriennummer) (Anmeldeseriennummer) (Anmeldeseriennummer) (Anmeldeseriennummer) I hereby declare that all stateme my own knowledge are true and made on information and belief my own knowledge are true and made on information and belief	States application(s) ubject matter of each not disclosed in the the manner provides United States Code
(Application Serial No.) (Anmeldeseriennummer) (Application Serial No.) (Anmeldeseriennummer) (Application Serial No.) (Application Serial No.) (Anmeldeseriennummer) (Anmeldeseriennummer) (Anmeldeseriennummer) (Anmeldeseriennummer) (Anmeldeseriennummer) (Status) (patentiert, anhängig, audgeben) (I hereby declare that all statement my own knowledge are true and den Erklärung gemachten Angaben nach meinem made on information and belief made on information and belief	(Status)
(Anmeldeseriennummer) (Anmeldedatum) (Anmeldeseriennummer) (Anmeldedatum) (Anmeldedatum) (Interest anhängig, ausgeben)	(patented, pending, abandoned)
den Erklärung gemachten Angaben nach meinem my own knowledge are true and den Erklärung gemachten Angaben nach meinem made on information and belief	(Status) (patented, pending, abandoned)
entsprechen, und dass ich diese eidesstattliche Erklä- rung in Kenntnis dessen abgebe, dass wissentlich und vorsätzlich falsche Angaben gemäss Paragraph 1001. Absatz 18 der Zivilprozessordnung der Vereinigten Staaten von Amerika mit Geldstrafe belegt und/oder Gefängnis bestraft werden koennen, und dass derartig wissentlich und vorsätzlich falsche Angaben die Gültigkeit der vorliegenden Patentanmeldung oder eines darauf erteilten Patentes gefährden können.	ief are believed to tatements were ma false statements a nishable by fine section 1001 of Title I that such willful fa the validity of
Page 2 of 4 Patent and Trademark Office-U.S. DEPARTMENT	

German Language Declara...on

VERTRETUNGSVOLLMACHT: Als benannter Erfinder beauftrage ich hiermit den nachstehend benannten Patentanwalt (oder die nachstehend benannten Patentanwalte) und/oder Patent-Agenten mit der Verfolgung der vorliegenden Patentanmeldung sowie mit der Abwicklung aller damit verbundenen Geschäfte vor dem Patent- und Warenzeichenamt: (Name und Registrationsnummer anführen)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

And I hereby appoint And I hereby appoint

Messrs. John D. Simpson (Registration No. 19,842) Lewis T. Steadman (17,074), William C. Stueber (16,453), P. Phillips Connor (19,259), Dennis A. Gross (24,410), Marvin Moody (16,549), Steven H. Notl (28,982), Brett A. Valiquet (27,841), Thomas I. Ross (29,275), Kevin W. Guynn (29,927), Edward A. Lehmann (22,312), James D. Hobart (24,149), Robert M. Barrett (30,142), James Van Santen (16,584), J. Arthur Gross (13,815), Richard J. Schwarz (13,472) and Melvin A. Robinson (31,870), David R. Metzger (32,919), John R. Garrett (27,888) all members of the firm of Hill, Steadman & Simpson, A Professional Connection. Direct Telephone Calls to: (name and telephone Telefongespräche bitte richten an: number) (Name und Telefonnummer) 312/876-0200 Ext. _ Send Correspondence to: **Postanschrift** HILL, STEADMAN & SIMPSON A Professional Corporation 85th Floor Sears Tower, Chicago, Illinois 60606 Full name of sole or first inventor: Voller Name des einzigen oder ursprünglichen Erfinders: Klaus Gradischnig inventor's signature Datum Unterschrift des Erfinders -15-5-38 Residence D-82131 Gauting, Germany Citizenship Bundesrepublik Deutschland Post Office Addess Max-Klinger-Straße 28 D-82131 Gauting Bundesrepublik Deutschland Full name of second joint inventor, if any: Voller Name des zweiten Miterlinders (falls zutreffend): Second Inventor's signature Datum Unterschrift des Erfinders Residence Wohnsitz Citizenship Staatsangehörigkeit Post Office Address Postanschrift (Supply similar information and signature for third and (Bitte entsprechende Informationen und Unterschriften im subsequent joint inventors). Falle von dritten und weiteren Miterfindern angeben).

Page 3 of 4

Patent and Trademark Office-U.S. Department of COMMERCE

Form PTO-FB-240 (8-83)

PTO/SB/22 (10-00) Approved for use through 10/31/2002. OMB 0851-0031 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Neifeld Ref: U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) SIEM0015U-USC1 In re Application of Gradischnig Application Number New Application Filed Herewith Signalling System in a Signalling Point Group Art Unit Unknown Examiner Unknown This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application. The requested extension and appropriate non-small-entity fee are as follows (check time period desired): One month (37 CFR 1.17(a)(1)) 120.00 Two months (37 CFR 1.17(a)(2)) 450.00 Three months (37 CFR 1.17(a)(3)) \$ 1,020.00 Four months (37 CFR 1.17(a)(4)) \$ 1,590.00 \$ 2,160.00 Five months (37 CFR 1.17(a)(5)) Applicant claims small entity status. See 37 CFR 1.27. Therefore the fee amount shown above is reduced by one-half, and the resulting fee is: \$_ A check including the amount of \$1020.00 Payment by credit card. Form PTO-2038 is attached. The Commissioner has already been authorized to charge fees in this application to a Deposit Account. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account Number 50-2106 I have enclosed a duplicate copy of this sheet. I am the applicant/inventor assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). attorney or agent of record. attorney or agent under 37 CFR 1.34(a). Registration number if acting under 37 CFR 1.34(a). WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization Signature Robert G. Crockett, Reg. 42,488

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Typed or printed name

☐ Total of forms are submitted.

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/22 (10-00) Approved for use through 10/31/2002. OMB 0651-0031 U.S. Petent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Neifeld Ref: PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) SIEM0015U-USC1 In re Application of Gradischnig Application Number New Application Filed Herewith Signalling System in a Signalling Point Group Art Unit Unknown Examiner Unknown . This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application. The requested extension and appropriate non-small-entity fee are as follows (check time period desired): One month (37 CFR 1.17(a)(1)) \$ 120.00 Two months (37 CFR 1.17(a)(2)) 450.00 Three months (37 CFR 1.17(a)(3)) \$ 1,020.00 Four months (37 CFR 1.17(a)(4)) \$ 1,590.00 Five months (37 CFR 1.17(a)(5)) \$ 2,160.00 Applicant claims small entity status. See 37 CFR 1.27. Therefore the fee amount shown above is reduced by one-half, and the resulting fee is: \$_ A check including the amount of \$1020.00 is enclosed. Payment by credit card. Form PTO-2038 is attached. The Commissioner has already been authorized to charge fees in this application to a Deposit Account. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account Number 50-2106 I have enclosed a duplicate copy of this sheet. I am the applicant/inventor ssignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). attorney or agent of record. attorney or agent under 37 CFR 1.34(a). Registration number if acting under 37 CFR 1.34(a). WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. Signature Robert G. Crockett, Reg. 42,488 Typed or printed name NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below. ☐ Total of forms are submitted.

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

NEIFELD Docket No.: SIEM0015U/USC1

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: Klaus Gradischnig

GROUP ART UNIT:

SERIAL NO.: Continuation of 09/673,905 filed 23 October 2000

FOR: Signaling system in a signaling point

ASSISTANT COMMISSIONER FOR PATENTS ALEXANDRIA, VA 22313

37 CFR 1.115 PRELIMINARY AMENDMENT

Sir:

Please amend the specification by inserting before the first line of page 1, after the Title of the Invention, the following:

This application is a continuation of U.S. application no. 09/673,905, filed 23 October 2000, which is the national stage of international application no. PCT/EP98/02775, filed 12 May 1998.

Respectfully Submitted,

Date

31518

PATENT TRADEMARK OFFICE

Robert G. Crockett Registration No. 42,448 Attorney of Record

Robert & Curkett

RGC

Printed: February 13, 2006 (3:12pm)

Y:\Clients\Siemens\SIEM0015UUS\SIEM0015U-USC1\Drafts\PrelimAmendment_060213.

wpd